



Products for tomorrow...

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Item No.:

9605180022

Item:

CRF05-1A

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		135	150	165	Ohm
Coil voltage			5		VDC
Rated power			167		mW
Pull-In voltage				3.75	VDC
Drop-Out voltage		0.75			VDC

RF Characteristics	Conditions	Min	Typ	Max	Unit
Characteristic Impedence			50		Ohm

Contact data 80/1	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A			10	W
Switching voltage	DC or Peak AC			170	V
Switching current	DC or Peak AC			0.5	A
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive			250	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation			250	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			TOhm
Breakdown voltage	according to IEC 255-5	250			VDC
Operate time incl. bounce	measured with 40% overdrive			0.6	ms
Release	measured with no coil excitation			0.05	ms
Capacity	@ 10 kHz across open switch		0.4		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			TOhm
Dielectric Strength Coil/Contact	according to IEC 255-5	1.5			kV DC
Housing material				Ceramic	
Sealing compound				mineral filled epoxy	
Connection pins				Au plated	

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-40		125	°C
Storage temperature		-55		125	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability				fully sealed	

Modifications in the sense of technical progress are reserved

Designed at: 11/16/09 Designed by: RPYPEC

Approval at: 11/16/09 Approval by: TLANE

Last Change at: Last Change by:

Approval at: Approval by:

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